



The University of Paderborn is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we design forward-looking research, innovative teaching and the active transfer of knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,500 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

The **Department of Electrical Engineering and Information Technology** within the Faculty of Electrical Engineering, Computer Science and Mathematics of the Paderborn University invites highly qualified candidates to apply for a position as

W 3 – Full Professor (f/m/d) in Power Electronics

The faculty is seeking a highly qualified candidate with scientific expertise proven by peer reviewed publications who can fully represent the respective field in teaching and research and has demonstrated particular scientific competence in one or several of the following subject areas:

- Power electronic applications, e.g. in the area of electric mobility (charging as well as drive train) and power engineering
- Applications of novel wide bandgap power electronic semiconductor technologies (SiC, GaN) in resonance converters and hard switching topologies, such as for power factor correction (PFC)
- Magnetic components and aspects of electromagnetic compatibility (EMV)
- Embedded digital control

Experience in a respective executive position is desired, while professional experience in industry and successful third-party funding are advantageous. A key criterion is an optimal fit to current and future research activities of Paderborn University, especially in those areas defining the university's profile. The successful candidate is expected to actively participate in the research networks of the university, particularly in the interdisciplinary Centre for Sustainable Energy Technology (KET) as well as to cooperate with other groups and associated institutes.

Moreover, the ability and motivation to offer programs and courses in German and English for Bachelor's and Master's degree programs of the Department of Electrical Engineering and Computer Science as well as to participate in the academic self-administration are prerequisite.

Requirements for employment: Article 36 para. 1 sentence 1-4 HG NW (university degree, pedagogic suitability, PhD degree and additional research achievements).

Paderborn University aims at increasing the share of women in research and teaching and therefore specifically encourages female scientists to submit their applications. In accordance with the act for equal treatment (LGG), in case of equal suitability, ability and professional achievement, female candidates will be given preference, unless reasons concerning the person of a fellow applicant are predominant. In case of equal qualification, applications from severely disabled persons or persons regarded as being on a par with severely disabled persons within the terms of the German social law, volume 9, (SGB IX) are also invited.

Applications with the usual documents must be submitted **by 15.02.2022** (including **reference number 5017**) via email to **bewerbungen@ei.uni-paderborn.de**. All documents must be compiled into one single PDF file.

Information regarding the processing of your person data can be located at: <https://www.uni-paderborn.de/zv/personaldatenschutz>.

Paderborn University
**Faculty of Computer Science, Electrical Engineering
and Mathematics**
**Institute of Computer Science and Information
Technology**
Prof. Dr. Katrin Temmen
Warburger Str. 100
33098 Paderborn

